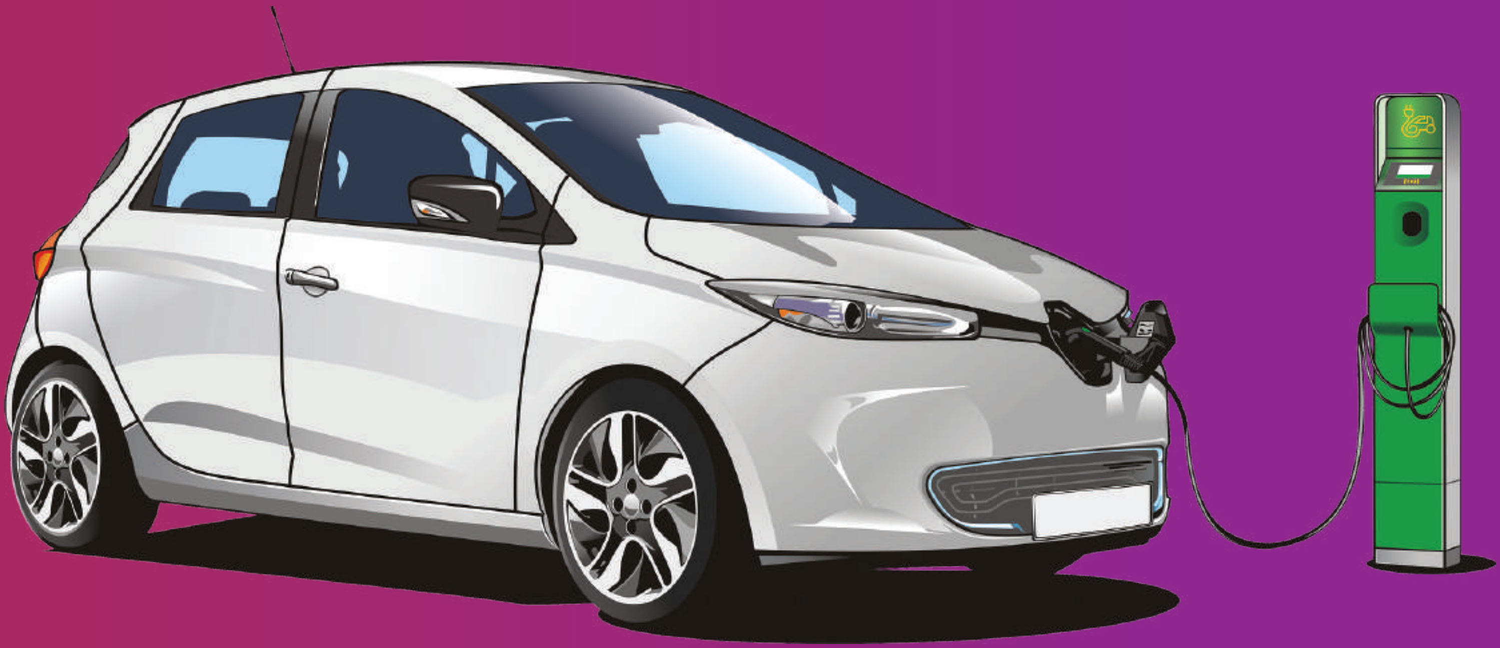
Summer

Training & Internship

Electric Vehicle Engineering



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After years of being viewed as a fringe technology, electric vehicle market is finally nearing a tipping point. A number of factors including a positive change in consumer perceptions, technological advancements and greater intervention from governments are combining to focus attention on EV adoption.

EV market will reach to a tipping point till 2022- when the cost of ownership of an electric vehicle is on par with its internal combustion engine counterparts. With cost of ownership will no longer be a barrier to purchase, Electric Vehicle will become a realistic, viable option for any new car buyer.

What are the program objectives?

The programme tends to equip students and professionals with multidisciplinary expertise and increase the practical exposure with the tools and functioning of the Electric vehicle via industrial internships.

This program follows the practical approach of learning (PLA model) to educate and offer cutting edge training to prepare engineers for the future industry workforce demand.

What are the main highlights of the program?

- An e-material and certification will be provided to every trainee
- Students will be able to gain real time industry knowledge
- Hands-on experience with recommended projects
- The trainees will be able to gain a thorough knowledge over aspects of electric vehicle
- Candidates will be further eligible for advanced electric vehicle courses
- Candidates will gain access over theoretical and practical concepts
- Opportunity to work and create industrial connections
- Industry connect with the experts across various technologies and domains
- Reverse presentations to enhance your presentation skills and overcome the stage fear
- Viva to test and provide the feedback

Who should apply?

The programme is designed for students or professionals who are:

- Ongoing Diploma, BE / B.Tech or equivalent in domains such as Automotive, Mechanical, EEE, ECE, Instrumentation, Mechatronics.
- Automotive enthusiasts (No academic qualification mandatory)
- Working in industries such as Automotive, Auto component, Design, Manufacturing, etc
- Working in Functional areas such as R&D, Analysis, Maintenance, Projects, component design etc.
- Interested in pursuing further studies on the part-time or full-time basis in Automotive, Electrical, Electronics, and Mechanics sector.

What are the Technical Requirements?

The programme to give its best will need following requirements:

- Computer/ Laptop will provide you with the best experience.
- High-speed internet for crystal clear experience, but this program can also run without buffering with below-average connectivity for reaching out students from suburban and rural areas.
- A student should make their notes for future reference.
- A student should have basic knowledge about high-school physics and chemistry, even though the pre-requisite of this programme will brush up one's basic concepts.

What is the learning methodology?

The learning Methodology of this programme provides you with the most flexible learning environment possible. This programme is offered as one week or seven days in house training and three weeks or twenty three days industrial training with our industry partners.

What are the learning outcomes?

- A student shall get to know about different modules of Electric Vehicles.
- A student shall understand the underlying concept behind Power Electronics & Battery Management System.
- A student shall understand the effects of external factors and assumptions taken for designing the vehicle and its power train.
- A student shall understand the mystery of chemistry within batteries.
- A student shall get mentored by Industry Experts.
- A student shall get project assistance.
- A student shall get career mentorship in Electric / Green-tech fields.

How to apply?

Enrollment procedure follows a few hassle-free steps:

- Signup with your operational e-mail ID.
- Go to the link https://www.diyguru.org/apply/
- Submit the form
- Further steps of admission will be mailed to your registered E mail ID

Note: Registrations are open for May / June / July batch

What is the fee structure?

The actual fee of this elite program is INR 12500 + 18% GST. Further payment details are provided in our website www.diyguru.org

Program Structure

Inhouse Training (6 Days)

- Day 1 - Introduction to Electric, Hybrid and Internal Combustion Vehicles
- Day 2 - EV Motors, Batteries, Battery Management System
- Day 3 - Calculations on Batteries and Motors, Various systems used in Automobile
- Day 4 - Controllers, Converters, Thermal Management Systems of Electric Vehicle
- Day 5 - Business Opportunities in Electric Vehicle Industry
- Day 6 - Assembly of an Electric Vehicle (2 Wheeler)

Industrial Internship (23 Days)

- Real Time Industrial Knowledge
- Opportunity to Work and Make Industrial Connections
- Mentorship by Industrial Veterans in Different Industrial Ecosystem

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"Just a quick note to let you know how pleased and impressed we are with the two day training programme handled at our premises. We were very new to the Electric Vehicle aspect and terminology used for as a non - technical personnel. Though the topic of Electric vehicle is a bit typical and dry, the way the trainer has kept us in pace with interactive session and made the thing clear and clarified the doubts we raised was very much helpful "

- Rajesh Mutharaju, Head HR - Hyundai Motors

"At Bosch Bangalore & Coimbatore, the DIYguru training programme has helped a lot in improvising the concepts of Electric Vehicle Design & Engineering for our experienced and fresh employees. The trainers are of high quality and knowledgable in terms of delivering the contents and making things understandable. We look forward to have a continuous relationship."

- R Shashi Kumar, Head HR - Robert Bosch Engineering

"Partnering with DIYguru we can see the budding entrepreneurs working closely on EV projects. I can see the interaction and enthuse which is there with all the young boys and girls who are part of this project. They are doing exceptionally well and I congratulate entire DIYguru team to further get more the guys and be a part of the electric revolution."

- Praveen Shrivastava, Zypp Mobycy

"DIYguru is giving a platform to new entrepreneurs in building up skills so that they get ready for the current market requirement. They are bridging the gap between the actual industrial requirement and conventional education system which are available with the schools and colleges."

- Sumit Agrawal,, Engineer & Entrepreneurs

"Doing this course helped me to understand the fundamentals of an electric vehicle, from Batteries to power train BMS to controller the basic know-hows are clear to me. This course helped me to change my attitude from mobility as a product to mobility as a service. As a student, I have got to understand the job and business opportunity which are waiting at our doorsteps within E mobility sector."

- Atharva Pitale, Yashwantrao Chavan College of Engineering

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